



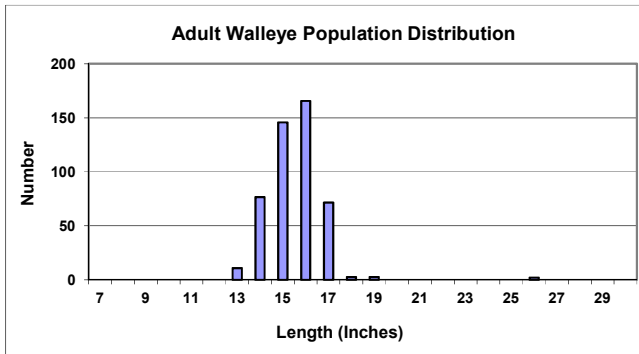
**WISCONSIN DNR
FISHERIES INFORMATION SHEET**

LAKE: BUFFALO

COUNTY: ONEIDA

YEAR: 2018

The Department of Natural Resources surveyed Buffalo Lake, Oneida County, from May 5th through May 7th, to assess the status of the adult Walleye population. Buffalo Lake is a seepage lake with predominantly sand substrates, some rock, and silty areas. It has a surface area of 104 acres, 2.2 miles of shoreline, and a maximum depth of 27 feet. Buffalo Lake's Walleye population is sustained through natural reproduction.



* Note: Adult Walleye are defined as all sexable Walleye (regardless of length) and those of unknown sex ≥ 15 inches in length.

Walleye



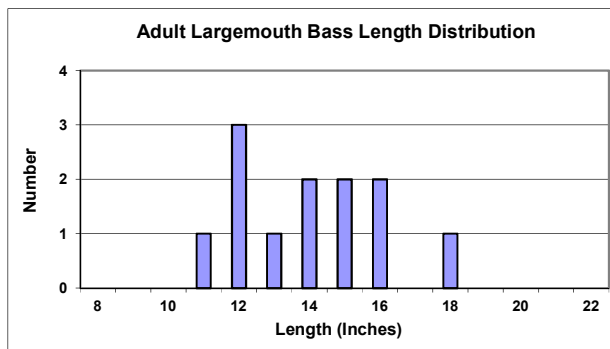
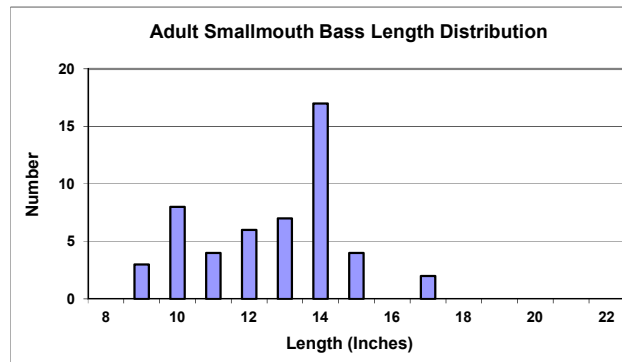
During three days of fyke netting, 182 adult Walleye were captured and marked with a fin clip. A crew then sampled with an electrofishing boat and captured 66 adult Walleye. During electrofishing 36% (24 of 66) of captured Walleye bore the fin clip given during fyke netting. The largest Walleye we captured was a 26.7-inch female.

Based on those results, Buffalo Lake was estimated to contain 478 adult Walleye (4.6/acre). An estimated 82% of adult Walleye were 15 inches or longer.

Smallmouth Bass



Smallmouth Bass were not a primary target of our survey of Buffalo Lake. Sampling occurred prior to peak Smallmouth spawning. We captured 51 Smallmouth Bass eight inches or larger; 45% were 14 inches or longer, and the largest was 17.4 inches.



Largemouth Bass



Largemouth Bass were also not a primary target during our survey of Buffalo Lake, with sampling having occurred prior to peak Largemouth spawning. We captured 12 Largemouth Bass eight inches or larger; 58% were 14 inches or longer, and the largest was 18.2 inches.

Other Species

No Northern Pike or Muskellunge were captured during our fyke netting and electrofishing sampling of Buffalo Lake. Black Crappie and White Sucker were common in our fyke net catches. We also caught moderate numbers of Bluegill and Rock Bass. Other species captured included Yellow Bullhead and Yellow Perch.

A creel survey will be conducted on Buffalo Lake throughout the 2018-19 fishing season. A creel clerk will count and interview anglers and examine their catch. The information gathered will be used to estimate angler fishing effort, catch and harvest.

Table 1. General Fishing Regulations for Buffalo Lake, Oneida County, 2018-19.

FISH SPECIES	OPEN SEASON	DAILY LIMIT	MINIMUM LENGTH
Walleye	May 5 - March 3	3	15" min. length, 20-24" no harvest slot, 1 fish over 24" allowed
Largemouth Bass	May 5 - March 3	5 in total with SMB	14 inches
Smallmouth Bass	May 5 - June 15 (C&R) June 16 - March 3 (Harvest)	5 in total with LMB; harvest season only	14 inches
Muskellunge	May 26 - Nov. 30	1	40 inches
Northern Pike	May 5 - March 3	5	None

A brief summary of selected fishing regulations for Buffalo Lake is included above (Table 1). While the regulatory information provided was current at the time the surveys were conducted, it is not comprehensive and should not be used as a substitute for the current fishing regulation pamphlet. You may obtain a copy of current fishing regulations when you purchase your fishing license, or download a copy from our web site at:

<http://dnr.wi.gov/topic/fishing/regulations/>

This report is interim only; Watch for finalized summaries at: <http://dnr.wi.gov/topic/fishing/north/trtysprngsrvys.html>. Creel survey results should be available by June of 2019 at: <http://dnr.wi.gov/topic/fishing/north/trtycrslsrvys.html>. For questions, contact:

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